(11)

BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE, DASARAHALLI DIVISION

Name of Work: Drilling of New Borewells with Pipeline network at Manjunatha Nagara & Coconut garden area in Bagalagunte Ward No 14		Estimate cost: Rs.15.00 Lakhs
Ward No.14		Grant : 2015-16
Job No. :		P-Code: 1771
Ward Estimate Reference No. AE /Bag/379/2015-16	Sub-Division Office Estimate Ref No. AEE /T.Das/500/2015-16	Division Office Estimate Ref No. EE/Das/ /2015-16

Office of the Assistant Executive Engineer
T.Dasarahalli Sub-Division
Dasarahalli Zone, BBMP,
Bangalore.

(10)

ಅನುಬಂಧ-1

ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಕಾಮಗಾರಿ ಅಂದಾಜು ಪರಿಶೀಲನಾ ಪಟ್ಟಿ

1	ಕಾಮಗಾರಿಯ ಹೆಸರು	Drilling of New Borewells with Pipeline network at Manjunatha Nagara & Coconut garden area in Bagalagunte Ward No 14
2	ಹೊಸ ಪ್ರಸ್ತಾವನೆ/ಅನುಮೋದಿತ ಕಾಮಗಾರಿಯ ವಿವರಗಳು	
3	ಅಂದಾಜು ಮೊತ್ತ	15.00 Lakhs
4	ಎಸ್.ಆರ್.ಅಳವಡಿಸಿಕೊಂಡಿರುವ ವರ್ಷ	2015-16
5	ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ ಮೊತ್ತ	POW 2015-16
6	ಲಮ್ ಸಮ್ ಹಂಚಿಕೆ/ಅವಕಾಶ	ಇಡು ಗಂಟು ಮೊತ್ತ
7	ಅಂದಾಜು ಪಟ್ಟಿಯ ಚರಿತ್ರೆ ಮತ್ತು ಕಾರ್ಯವರದಿ ಹೌದು/ಇಲ್ಲ	
8	ನಕ್ಷೆ ಮತ್ತು ನಿರ್ದಿಷ್ಟ ವಿವರಣೆಗಳನ್ನು ಲಗತ್ತಿಸಿದೆ ಹೌದು/ಇಲ್ಲ	ಹೌದು
9	ಮಾರುಕಟ್ಟೆಯ ದರಗಳನ್ನು ಆಧರಿಸಿ ತಯಾರಿಸಲಾಗಿರುವ ಅಂಶಗಳು (ದರವನ್ನು ಅಧೀಕ್ಷಕ ಅಭಿಯಂತರರಿಂದ ಅನುಮೋದಿಸಿರಬೇಕು)	
10	ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಸಲ್ಲಿಸಿರುವ ಅಭಿಯಂತರರುಗಳು ಸ.ಕಾ.ಇ ರವರ ಹೆಸರು	ಸ.ಅ:- ಡಿ.ಎಸ್.ಮಂಜುನಾಥ್ ಸ.ಕಾ.ಅ:- ಇ.ರಂಗಸ್ವಾಮಿ
11	ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ದೃಢೀಕರಿಸುವ ಅಧಿಕಾರಿಯ ಸಹಿ (ಮು.ಅ/ಅ.ಅ/ಕಾ.ಅ/ಸ.ಕಾ.ಅ/ಸ.ಅ)	
12	ಕಾಮಗಾರಿಯನ್ನು ಕೈಗೊಳ್ಳುವ ವಿಧಾನ	E-Procurement
13	ಕಾಮಗಾರಿಯ ಪ್ರಾರಂಭಿಕ ಮತ್ತು ಪೂರ್ಣಗೊಳಿಸುವ ದಿನಾಂಕ	
14	ಡಾಂಬರೀಕರಣ ಮತ್ತು ಕಾಂಕ್ರೀಟ್ ಕೆಲಸ/ಕಾಮಗಾರಿಗಳು ರಸ್ತೆಯ ಚರಿತ್ರೆ ವಿವರಗಳನ್ನು ಲಗತ್ತಿಸಿದೆಯೇ? ಹೌದು/ಇಲ್ಲ	
15	ಡಾಂಬರೀಕರಣ ಕಾಮಗಾರಿಗೆ ಪರಿಗಣಿಸಿರುವ ಅಂಶಗಳು	
16	ಡಾಂಬರೀಕರಣ ಕಾಮಗಾರಿಗೆ ಅಗತ್ಯವಾದ ಪರೀಕ್ಷೆಗಳನ್ನು ಕೈಗೊಳ್ಳಲಾಗಿದೆಯೇ? ಬಿ.ಬಿ.ಡಿ ಟೆಸ್ಟ್‌ನ್ನು ಮಾಡಲಾಗಿದೆಯೇ ಅಥವಾ ಇಲ್ಲವೇ? ಮಾಡಿದ್ದಲ್ಲಿ ವರದಿಯನ್ನು ಲಗತ್ತಿಸುವುದು ಹೌದು/ಇಲ್ಲ	

ಪ್ರಮಾಣ ಪತ್ರ

ಪ್ರಮಾಣಿತನಾದ ನಾನು ಶ್ರೀ.ಡಿ.ಎಸ್.ಮಂಜುನಾಥ್ ಸ.ಅ (ವಾರ್ಡ್ ನಂ.14) ವಾರ್ಡ್ ಇಂಜಿನಿಯರ್ ಖುದ್ದಾಗಿ ಸ್ಥಳ ಪರಿಶೀಲನೆ ಮಾಡಿ ಪ್ರಸ್ತುತ ದರ ಪಟ್ಟಿಗಳ ದರವನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ತಯಾರಿಸಿದ್ದೇನೆ. ಮಿತವ್ಯಯದ ದೃಷ್ಟಿಯಿಂದ ಸ್ಥಳಕ್ಕೆ ಅಗತ್ಯವಿರುವ ಅಂಶಗಳನ್ನು ಮಾತ್ರ ಅಂದಾಜು ಪಟ್ಟಿಯಲ್ಲಿ ಅಳವಡಿಸಲಾಗಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು, ವಾರ್ಡ್ ಸಂಖ್ಯೆ.14	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು, ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ	ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು, ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ

BRUHATH BANGALORE MAHANAGARA PALIKE

BBMP

DASARAHALLI-ZONE

T.Dasarahalli Sub Division

Name of Work: Drilling of New Borewells with Pipeline network at Manjunatha Nagara & Coconut garden area in Bagalagunte Ward No 14

Est.Cost: 15.00 Lakhs

BRUHATH BANGALORE MAHANAGARA PALIKE

Dasarahalli Zone

NAME OF WORK:Drilling of New Borewells with Pipeline network at Manjunatha Nagara & Coconut garden area in Bagalagunte Ward No 14

					Est.Cost		RS	15.00	Lakhs
Sl	Description Of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including recconnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptabality of the users indicating the location of the site recommendeddepth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engating technical personal and labour etc.,PRE- Bangalore Circle-2014-15 Page No-47 & 48 . Item No-9.4								
		Each	2				2.00	1882.00	3764.00
2	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.,PRE- Bangalore Circle-2014-15, Page No-46, Item No-9.1.1 to 9.1.7								
a	0.00 to 50.00 mtrs	Rmtr	2	50.00			100.00	306.00	30600.00
b	50mtr to 100.00 mtr		2	50.00			100.00	400.00	40000.00
c	100.00 to 150.00 mtr		2	50.00			100.00	445.00	44500.00
d	150.00 to 200.00 mtr		2	50.00			100.00	470.00	47000.00
e	200.00 to 250.00 mtr		2	50.00			100.00	544.00	54400.00
f	250.00 to 300.00 mtr		2	50.00			100.00	583.00	58300.00
g	300.00 to 325.00 mtr		2	25.00			50.00	622.00	31100.00
3	Supply of ISI Mark 175mm Nominal bore ,plain end steel Casing pipe- grade of steel Fee 410 of wall thickness 5.4 mm thick confirming to IS 1387/1933 and manufactured by basic open hearth electric or basic oxygen process in random lenth of 5 to 7mtrs. Both ends threaded Confirming to IS 554/1985, One end fixed with a Socket Confirming to IS 4270:2001 and the other end with Screwed pipes . All pipes shall be reasonably free from defectes. The tube shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr. (Inclusive of all taxes) (PRED,2012-13 Page No.iii, item No-84)								
a	Casing pipe	Rmt	2	40.00			80.00	1325.00	106000.00
4	Additional rate on item No. 2 is allowed for drilling in over burden and folling casing pipes beyond 20mtrs, rate at 15% and beyond 30mtrs 30% on basic rate of Rs.306 is allowed (PRED,2012-13 Page No48 item No-9.1.1)								
a	Above 20 mtrs and Upto 30 mtrs at	Mtrs	2			10.00	20.00	45.90	918.00
5	Providing 175 mm dia MS Collar (RDED SR page ii, item86)								
		Each	2	10.00			20.00	150.00	3000.00
6	Providing 175 mm dia MS Cap(as per RDED SR page ii, item-85)								
		Each	2	1.00			2.00	100.00	200.00

7	Supply and delivery at site brand new Texmo / Innoval / Lubi / Sabar / Atalanta / Calamal / waterman / Radha make suitable vertical installation in 150mm dia. Bor(ells comprising of single stage or miultistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction mortor suitable for operation of 3Ph., 50Hz. 380/44 volts AC supply fitted with required accessories such as suction. casing, suction strainers, sand guard Non return valve etc., complete the pump and motor shall form an integral unit with all the required fittings 15HP 30 stage Kirloskar, Atlanta, Suguna, CRI & other equipment pump (PWD SR 15-16 Page No xxxxi, Iteam. No 33								
		No	2				2.00	70600.00	141200.00
8	Supplying and Drawing 3 core Flat PVC Shalted Submersible Pump Cable Manufactured with Electrolytic Grade Copper with Flexible copper conductor to table 3 class 5 of IS 8130-1984 and Virgen PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts BWSSB SR 2012-13, P- 535, I. 30								
		Mtrs	2x2	310.00			1240.00	159.50	197780.00
9	Supplying and fixing 50mm Non Return Vavle of vertical type of approved make including cost of all materials labour HOM of equipment with all leads Complete as per Specifcation PWD SR 2015-16, P.No-XXIII, Sl No.659 Code No.0126								
		Nos	2				2.00	1145.00	2290.00
10	Supplying and fixing 50mm GM Gate Vavle PWD SR 15-16, Sl No.673, P.No-XXIII Code No.0164)								
		Nos	2				2.00	1600.00	3200.00
11	Supplying and fixing 175mm Borewell cap with clampset As per approved Rate per SERED Letter No 2081/2010-11, Dt.28.7.2010,								
		Nos	2				2.00	500.00	1000.00
12	Supplying and fixing 50mm GI Union PWD SR 2015-16, P.No.XXXVII,								
		Nos	2				2.00	223.70	447.00
13	Supplying and fixing 50mm GI Elbow PWD SR 2015-16, P-XXXVII								
		Nos	2	3.00			6.00	111.80	671.00
14	Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adharsh / GK Controls best indigenous make combined energy meter cum control panel board unit of size 1200x600x350mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for opration on 3ph, 50 hz, 380/440 volts, AC supply with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 3ph, 50 hz, 380/440 volts AC supply shall be consists etc., complete the panel board shall be consist etc., complete the panel board shall be fabricated on single unit in the above componenets panel board for suitable pumpset with star delta staretr out door type 10hp to 15 hp PRED ISSUE RATE Appvd by SE, PRED. Bglre. vide Letter								
	No 807-26 dt 7.5.2012 - Sl No 12	Nos	2			LS	2.00	10000.00	20000.00
15	Providing and fixing of 50mm G.I pipe 'C' class heavy duty for erection of submersible pumpset galvanised tube 50mm supply ad delivary of cause heavy duty as per IS/239/1990 (PRED SR P No.56, I.No 10.1)								
		Mtrs	2	290.00			580.00	519.30	301194.00

16	Erection of combined panel board and meter unit with necessary materials and labour including providing cement concrete foundation bed cont door type etc., complete PRED ISSUE RATE								
		Nos	2			L.S	2.00	475.00	950.00
17	Supplying of TPST with rewireable porcelain channels in SM encloser 15/32 amps P-521, Group-Bi-1(b), BWSSB SR 2013-14.								
		Nos	2				2.00	1320.00	2640.00
18	Supplying and fixing 500x500x65mm polished wood board made up not less than 15mm thick plank in front plank one end provided for olding at other end fixing the same of the valve using through bolts and nuts, PRED ISSUE RATE								
		Nos	2			L.S	2.00	302.50	605.00
19	Supplying and fixing LED Type panel board indicating lamp with required colour suitable for 220 v AC 50Hz 12/24 V DC Group 'B'. P-529, I-35(b), BWSSB SR 2013-14.								
		Nos	2	3.00			6.00	385.00	2310.00
20	Supplying and drawing each PVC insulated 650/100 V grade wire in the conduct (Open or Concealed system of wiring) 7/20 or 7/36 copper wire. P-380, I-20, ii(d), BWSSB SR2012-13.								
		Nos	2	10.00			20.00	27.50	550.00
21	Supplying, fixing and wiring heavy duty low voltage capacitors confirming to I 2834, 3 PHASE 400/440 Volts grade for power factor improvement of rotating machinery capacitor in KVAR · rating Nos 2 KVAR Capacity P-402, I-34(a), BWSSB SR 2012-13.								
	Group'A'	Nos	2				2.00	385.00	770.00
22	Supplying and fixing miniature Circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required P-526, I-13 (P, a), BWSSB SR 2013-14.								
		Nos	2				2.00	880.00	1760.00
23	Supplying, fixing, wiring earth electrode for grounding conduits, LC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.50m long buried in a pit. The pit should be filled with equal proportion of solt and charcoal 150mm alround the pipe to complete depth. the connection from the pipe to the conduct etc., is to be established through GI wire of size as per ISI specifications 7.3.3 IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 throught holes of 122mm dia P-552, I-7, BWSSB SR 2013-14.								
		Nos	2				2.00	1650.00	3300.00
24	Supplying and fixing class A (medium duty) GI pipe wall thickness not less than 3.25mm on pole. P-555, I-15, BWSSB SR 2013-14.								
		Nos	2	10.00			20.00	286.00	5720.00
25	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 Mtr long buried in a pit,/ the pit should be filled with equal proporation of salt and charocal 150mm alround the pipe to complete depth the connections from the pipe to the conduits etc., is to be established through GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12 mmdia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia (P.No.552, I.No.7, BWSSB SR 13-14)								

		Nos	2				2.00	1650.00	3300.00
26	Supl(1.1 KV class UG cable from nearest BESCOM pole to panel board including earth work and road restoratio 4 core 16 sqmm. P-426, I-10(d), BWSSB SR 2012-13.								
		Mtrs	2	30.00			60.00	165.00	9900.00
27	Labour charges for laying 1.1 KV class UG cable when supplied by agencies in existing trenches GI pipe / stoneware pipe/ on pole as required, P-427, I-11 (a), BWSSB SR 2012-13.								
		Mtrs	2	30.00			60.00	5.50	330.00
28	Digging of trench of 0.6m deep x 0.5m wide refilling the trench to the required level and consolidating etc., complete P-427, I-12 (a), BWSSB SR2012-13.								
		Mtrs	2	15.00			30.00	44.00	1320.00
29	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmm UG cable filled with neccesary bitumen / insulating compound complete with termiinalas, clamps, bolts, nuts, washers etc., P-428, I-16(b), BWSSB SR 2012-13.								
		Nos	2				2.00	264.00	528.00
30	Supplying and fixing of porcelain fuse channel with cut-out on existing / new wooden panel using neccesary nuts, bolts and washers etc., BWSSB SR P-394 I-173								
		Nos	2	6.00			12.00	440.00	5280.00
31	BESCOM Deposit charge and miscellanious.	L.S	2				2.00	15000.00	30000.00
32	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Asphalt surface road. (Pg. No-272, I.No-37.38) PWD SR 2014-15								
		Cum	2	500.00	0.60	0.15	90.00	311.64	28048.00
33	Earthwork excavation for foundation of buildings water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. Noll KBS 2.1.C/2.9.4/2.18/2.19 (Pg. No-05, I.No-2.4) PWD SR 2014-15								
		Cum	2	500.00	0.60	0.75	450.00	259.70	116865.00
34	Providing and installing at site of work P.V.C pipees including cost of pipes and specials and labour including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not leass than 15 cms with gravel or selected earth available from the excavation etc., complete PVC pipes of 6kg/Sqm 75mm Dia.(Page NO-102, ITEM no-13.15 (b), of PRED SR 2012-13).								
		Rmt	2	500.00			1000.00	157.00	157000.00
35	Supplying and fixing 50 mm GI pipes 'B' class heavy duty (As PER bwssb Store Issued Rate) Note:- GI Pipe using for Road crossing places.								
		Mtrs	2	10.00			20.00	325.00	6500.00

36	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 0m. and lift upto 1.5m. Including cost of all labour complete as per specification. (Pg. No-6, I.No-2.11 PWD SR 2013-14).)								
		Cum					450.00	60.48	27216.00
37	Transportation of pumping machineries PRE SR 2012-13 PG 51/10.3.19						2.00	900.00	1800.00
38	Erection of Pumping machineries PRE SR 2012-13 PG 51/10.3.20						2.00	900.00	1800.00
39	Miscellanious and rounding off						L.S		3944.00
								TOTAL	1500000.00
(Rupees Fifteen Lakhs Only)									

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2014-15 & PRED SR 2012-13 & BWSSB SR 2012-13
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward-14

Asst. Exe. Engineer
T.Dasarahalli Sub-Division
B.B.M.P.

Exeutive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

CE (D2) (AS) 20/15-16 19:04/01/2016

ನಂ. PG:41 ದಿನಾಂಕ :

ರೂ. Rs 1500000/- (ರೂ. ಹದಿನೈದು ಲಕ್ಷ ಗಳನ್ನು) ಗಳ

ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. EE/DD/TS/54/2015-16 ದಿನಾಂಕ :04/1/2016

ರೂ. 15:00 Lakhs (Rupees Fifteen lakhs only)

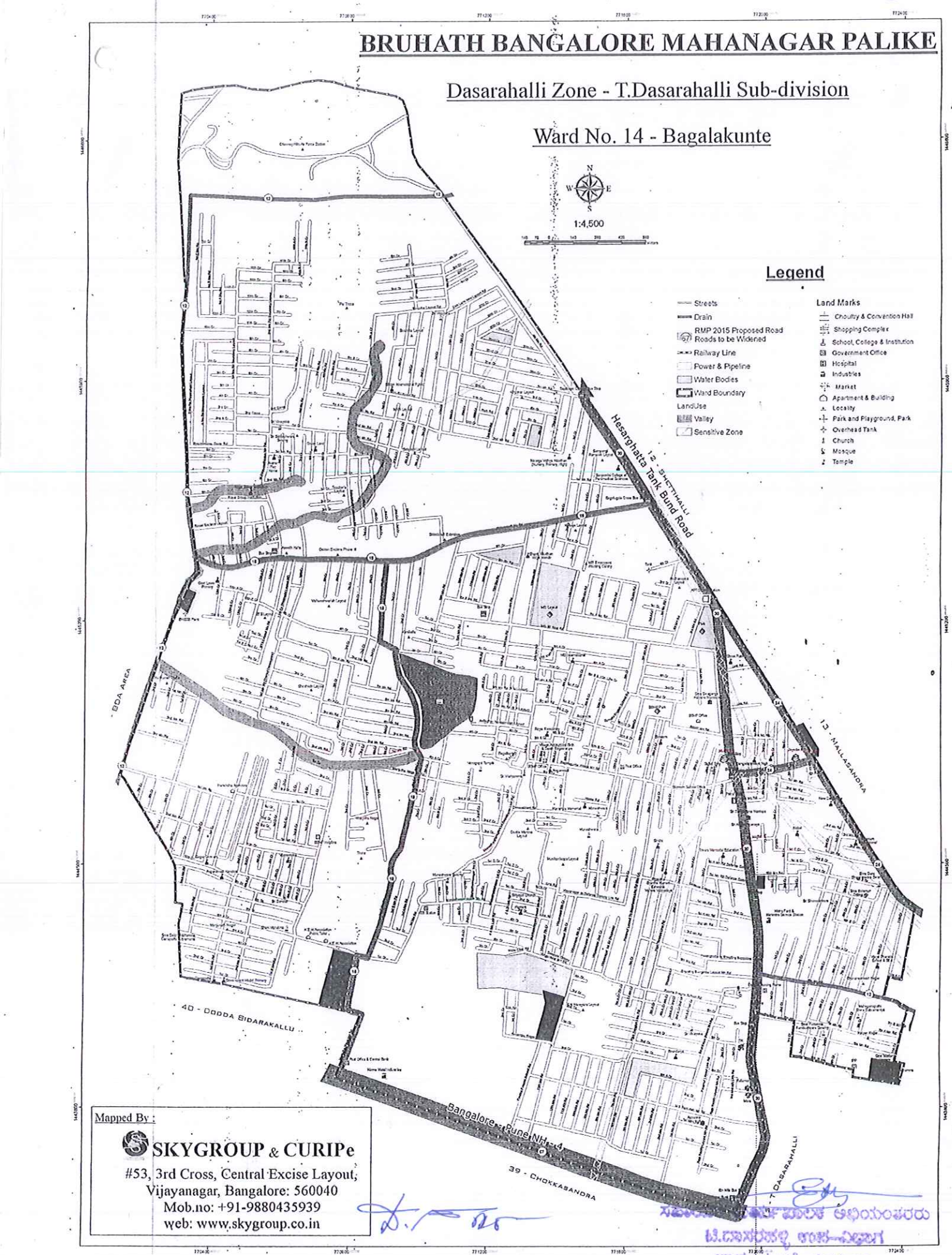
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

BRUHATH BANGALORE MAHANAGAR PALIKE

Dasarahalli Zone - T.Dasarahalli Sub-division

Ward No. 14 - Bagalakunte



Mapped By :

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